

STEM *Sims*™

Rift Valley Fever

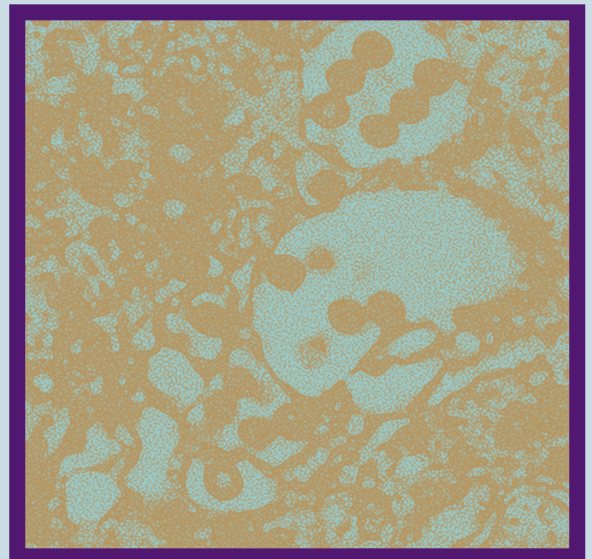


Rift Valley Fever

**Do you need an idea for a scientific study?
Try out one of our ideas or make one of your own.**

Start learning right now about Rift Valley Fever and how you can protect sheep from contracting this deadly disease. Take the following brief quiz to see how much you already know about Rift Valley Fever. See the bottom of page 4 to check your answers.

1. What is the abortion rate of adult sheep that have Rift Valley Fever?
 - a. 10%
 - b. 30%
 - c. 50%
 - d. 99%
2. Which organism is *least* likely to be affected by a Rift Valley Fever infection?
 - a. human
 - b. cow
 - c. horse
 - d. goats
3. Which organism is the cause of Rift Valley Fever?
 - a. virus
 - b. bacteria
 - c. fungi
 - d. protists
4. Which organism transmits Rift Valley Fever to sheep?
 - a. bacteria
 - b. houseflies
 - c. nematodes
 - d. mosquitoes
5. What is the fatality rate of unvaccinated young lambs that contract Rift Valley Fever?
 - a. 10%
 - b. 30%
 - c. 75%
 - d. 99%



The Fever

Find out more about Rift Valley Fever by filling in the missing letters in each of the following question answers.

1. In which region of the world is Rift Valley Fever most problematic?

R

2. Which organ in a sheep is severely damaged by Rift Valley Fever?

E

3. Domesticated sheep from which region created serious problems for ranchers from Rift Valley Fever?

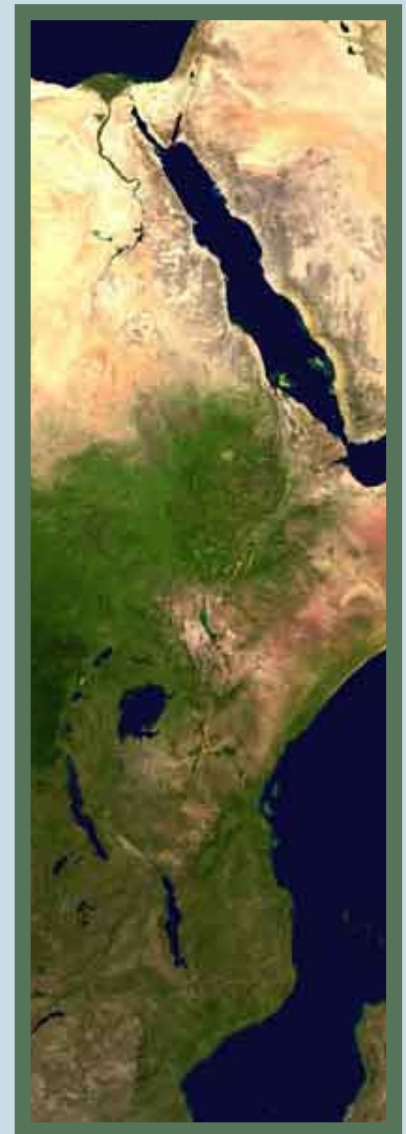
O

4. What tool is used to prevent Rift Valley Fever?

C

5. Which organism has been shown to be resistant to Rift Valley Fever?

I



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Rift Valley Fever

Rift Valley Fever



Rift Valley Fever (RVF) is an arthropod-borne, acute, fever-causing viral disease of sheep, goats, cattle and people. RVF in Africa causes abortions in sheep, cattle and goats, high mortalities in lambs and kids, and generalized disease in humans. RVF was first observed when European stocks of domestic animals were introduced to Africa. These species are more severely affected than native African stock.



Answers: 1) d. 2) c. 3) a. 4) d. 5) d. The Fever Answers: 1) Africa. 2) Liver. 3) Europe. 4) Vaccine. 5) Swine.

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